

## *Mathematics Absolute Value*







**Mathematics Absolute Value**

Absolute value. For example, an absolute value is also defined for the complex numbers, the quaternions, ordered rings, fields and vector spaces. The absolute value is closely related to the notions of magnitude, distance, and norm in various mathematical and physical contexts.

**Absolute value - Wikipedia**

The absolute value sign can be used in equations as well:  $|x| = 8$ , thus  $x=8$  or  $x=-8$ . Remember that  $|-8|$  is also 8 so there are two solutions here!  $|x| = -8$ , there are no solutions because the absolute value can never be negative.

**Absolute Value - Free Math Help**

Definition of absolute value. Definition of absolute value: the absolute value of a number is the distance the number is from zero. Look at the following two graphs: The first one shows 6 located at a distance of 6 units from zero. We write  $|6| = 6$ . The second one shows -8 located at a distance of 8 units from zero.

**Definition of Absolute Value - Basic mathematics**

and "-6" is also 6 away from zero. So the absolute value of 6 is 6, and the absolute value of -6 is also 6. More Examples: The absolute value of -9 is 9. The absolute value of 3 is 3. The absolute value of 0 is 0. The absolute value of -156 is 156.

**Absolute Value - Math Is Fun**

Definition: Absolute value is always a positive number except for 0 as 0 is neither positive or negative. Absolute Value refers to the distance of a number from 0, the distances are positive as absolute value of a number cannot be negative. Remind yourself that absolute value is just how far from 0 the number is regardless of direction.

**What Is Absolute Value in Mathematics? - ThoughtCo**

absolute value n. 1. The numerical value of a real number without regard to its sign. For example, the absolute value of -4 (written  $|-4|$ ) is 4. Also called numerical value. 2. The modulus of a complex number, equal to the square root of the sum of the squares of the real and imaginary components of the number. absolute value n 1. (Mathematics) the ...

**Absolute value (mathematics) - definition of Absolute ...**

As this illustrates, if you take the negative of an absolute value (that is, if you have a "minus" sign in front of the absolute-value bars), you will get a negative number for your answer. Side note: When typing math as text, such as in an e-mail, the "pipe" character is usually used to indicate absolute values.

**Absolute Value | Purplemath**

Absolute Value.  $|2 - x|$  means the absolute value of 2 minus x.  $|x|$  means the negative of the absolute value of x. The number line is not just a way to show distance from zero, it's also a good way to graph absolute value. Consider  $|x| = 2$ . To show x on the number line, you need to show every number whose absolute value is 2.

**MathSteps: Grade 7: Absolute Value: What Is It?**

Absolute Value. Students learn that the absolute value of a number is its distance from zero on a number line. For example, the absolute value of 8 is +8, because 8 is 8 units from zero on the number line. Note that the absolute value of any positive or negative integer is positive. Students also learn that the first step to simplifying...

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